

## APPENDIX D

### Parallel Printer Port Configuration on the Compaq Proliant 1600

These instructions require the Compaq SmartStart and Support Software CD-ROM.

1. Login as root user on server.
2. Insert the **Compaq SmartStart and Support Software CD** into the CD-ROM drive.
3. Open a terminal window and at the root prompt, type “**shutdown -i6 -g0 -y**” and press enter. System will shutdown and boot from the Compaq SmartStart CD.
4. Enter the “**Run System Configuration Utility**”.
5. Select “**Review or Modify Hardware Settings**” and press enter.
6. Select “**Step 3: View or Edit details**” and press enter.
7. Scroll downward until you see “**Integrated Interfaces**”.
8. Highlight “**Parallel**” and press enter.
9. Select “**LPT2**” and press enter.
10. Press <**F6**> to Edit Resources.
11. Set Port Address to **378h-37fh**.
12. Set DMA channel to **1**
13. Set Interrupt to **7**.
14. Press <**F10**> to save changes.
15. Press <**F10**> again to save changes.
16. Select “**Step 5: Save and Exit**” and press enter.
17. Press enter to “**Save the configuration and restart the computer**”.

18. Remove the **Compaq SmartStart and Support Software CD** from the CD-ROM drive.
19. Press enter again to proceed with reboot.
20. When system comes up, login as the root user and then go into the **SCO Admin tool**, and then under “**Hardware**”, run the “**Device Configuration Utility (DCU)**”.
21. Select “**Software Device Drivers**” and press enter.
22. Select “**Miscellaneous**” and press enter.
23. Select “**mfpd Parallel Port**” and use <Space Bar> key to ensure it is enabled.
24. Press <**F5**>.
25. Enter Unit **1**, IRQ **7**, IOStart **378**, IOEnd **37F**, and DMA **1**.
26. Press <**F10**> to apply changes.
27. Press enter to “**Return to Main Menu**”.
28. Select “**Return to DCU Main Menu**” and press enter.
29. Select “**Apply Changes & Exit DCU**” and press enter.
30. Exit the SCO Admin tool and then open a terminal window.
31. Rebuild the kernel. At the root prompt, type “**/etc/conf/bin/idbuild -B**” and press enter.
32. Reboot the server. At the root prompt, type “**shutdown -i6 -g0 -y**” and press enter.
33. When system comes up, login as the root user and then add a local printer through the SCO Admin tool, making sure that you select “LPT1” as the connection port. I’ve included the instructions for adding “**The Lexmark Optra M410 Laser Printer connected to the parallel port on the AFMIS UNIX Server**”. Login as root on the AFMIS Compaq Proliant 1600 server using the graphical terminal (not the dumb tube). Either through command line or clicking on tool bar (the up arrow above the tree icon) and selecting **SCO Admin**. Double click on **Printer Setup Manager** to open up the Printer Setup window. Click on **Printer** from the menu on the top of the window and then click on **Add Local Printer** to open the Add a Serial or Parallel Printer Window. In the name field enter **Lexserver**. Tab to the Make/Model field and scroll down the list till you find **HPLaserJetIIIsi (PCL)**.

Ensure that printer driver is highlighted, then make sure connection type is **Parallel** and connection port is **LPT1**. Then click on **OK** to add the printer. Click on **Host** from the menu bar and then click **Exit** to leave the Printer Setup window. Click on **Host** from the menu bar and then click on **Exit** to leave the SCO Admin tool. Logout from system. You have now successfully added a printer called **Lexserver** to the AFMIS Compaq Proliant 1600 server.

**NOTE:** If you desire to add another type of printer, you will be required to specify the correct printer driver for that printer when you setup the printer in the SCO Admin tool (e.g. okidata321 uses the IBM Proprinter driver, Mannestally 645/661 uses thes FX-850 driver).